

Title (en)

AGENT FOR PROMOTING SPHEROID FORMATION

Title (de)

MITTEL ZUR FÖRDERUNG DER SPHÄROIDBILDUNG

Title (fr)

AGENT FAVORISANT LA FORMATION DE SPHÉROÏDES

Publication

EP 4123011 A4 20240424 (EN)

Application

EP 21771082 A 20210318

Priority

- JP 2020049062 A 20200319
- JP 2021011128 W 20210318

Abstract (en)

[origin: EP4123011A1] A spheroid formation promoter, including: inorganic particles having adsorbability as an active ingredient; and a method of promoting spheroid formation, including the step of: mixing a dispersion liquid of the spheroid formation promoter and a cell suspension to obtain a mixture in which the inorganic particles having adsorbability contained in the spheroid formation promoter are dispersed, and culturing a cell contained in the obtained mixture to promote spheroid formation.

IPC 8 full level

C12M 3/00 (2006.01); **C12N 5/071** (2010.01)

CPC (source: EP US)

C12M 3/00 (2013.01 - US); **C12N 5/0068** (2013.01 - EP); **C12N 5/06** (2013.01 - US); **C12M 21/08** (2013.01 - EP); **C12N 2533/10** (2013.01 - EP)

Citation (search report)

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- [XY] JP 2019163212 A 20190926 - TOTTORI INSTITUTE OF INDUSTRIAL TECH, et al
- [XY] US 3935069 A 19760127 - LONG MARGARET ESTHER
- [XY] JACKLYN WHITEHEAD ET AL: "Morphogen Delivery by Osteoconductive Nanoparticles Instructs Stromal Cell Spheroid Phenotype", ADVANCED BIOSYSTEMS, JOHN WILEY & SONS, INC, HOBOKEN, USA, vol. 3, no. 12, 1 October 2019 (2019-10-01), pages n/a, XP072279632, ISSN: 2366-7478, DOI: 10.1002/ADBI.201900141
- [XY] TAGAYA MOTOHIRO ET AL: "Nano/Microstructural Effect of Hydroxyapatite Nanocrystals on Hepatocyte Cell Aggregation and Adhesion", MACROMOLECULAR BIOSCIENCE, vol. 11, no. 11, 25 August 2011 (2011-08-25), DE, pages 1586 - 1593, XP093139845, ISSN: 1616-5187, DOI: 10.1002/mabi.201100182
- See also references of WO 2021187566A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4123011 A1 20230125; EP 4123011 A4 20240424; CN 114981403 A 20220830; JP WO2021187566 A1 20210923; US 2023136323 A1 20230504; WO 2021187566 A1 20210923

DOCDB simple family (application)

EP 21771082 A 20210318; CN 202180007766 A 20210318; JP 2021011128 W 20210318; JP 2022508437 A 20210318; US 202117910629 A 20210318